FIG. 1

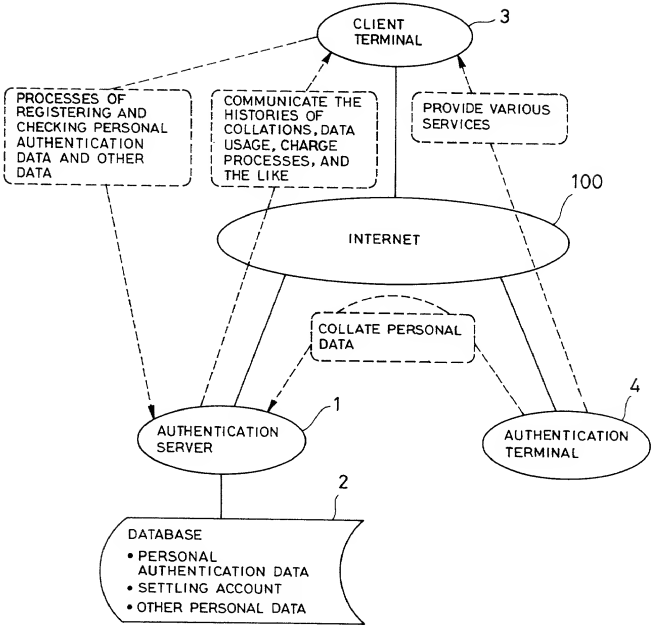

CLIENT TERMINAL
3
PROCESSES OF REGISTERING AND CHECKING PERSONAL AUTHENTICATION DATA AND OTHER DATA
COMMUNICATE THE HISTORIES OF COLLATIONS, DATA USAGE, CHARGE PROCESSES, AND THE LIKE
PROVIDE VARIOUS SERVICES
100
INTERNET
COLLATE PERSONAL DATA
AUTHENTICATION SERVER
1
AUTHENTICATION TERMINAL
4
2
DATABASE
• PERSONAL AUTHENTICATION DATA
• SETTLING ACCOUNT
• OTHER PERSONAL DATA

FIG. 2

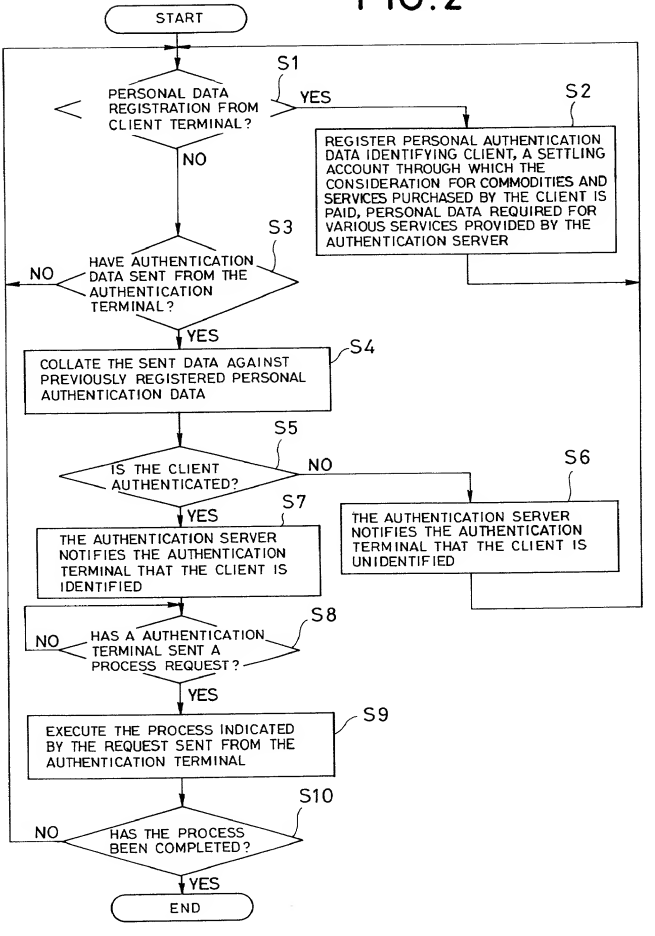

START
S1
PERSONAL DATA REGISTRATION FROM CLIENT TERMINAL?
YES
S2
REGISTER PERSONAL AUTHENTICATION DATA IDENTIFYING CLIENT, A SETTLING ACCOUNT THROUGH WHICH THE CONSIDERATION FOR COMMODITIES AND SERVICES PURCHASED BY THE CLIENT IS PAID, PERSONAL DATA REQUIRED FOR VARIOUS SERVICES PROVIDED BY THE AUTHENTICATION SERVER
NO
S3
HAVE AUTHENTICATION DATA SENT FROM THE AUTHENTICATION TERMINAL?
NO
YES
S4
COLLATE THE SENT DATA AGAINST PREVIOUSLY REGISTERED PERSONAL AUTHENTICATION DATA
S5
IS THE CLIENT AUTHENTICATED?
NO
S6
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS UNIDENTIFIED
YES
S7
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS IDENTIFIED
S8
NO
HAS A AUTHENTICATION TERMINAL SENT A PROCESS REQUEST?
YES
S9
EXECUTE THE PROCESS INDICATED BY THE REQUEST SENT FROM THE AUTHENTICATION TERMINAL
S10
NO
HAS THE PROCESS BEEN COMPLETED?
YES
END

FIG. 3

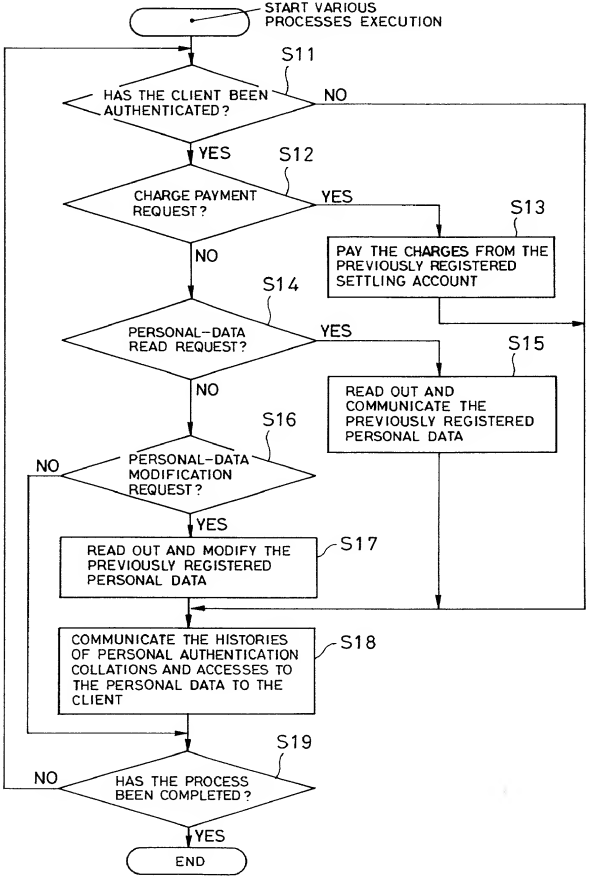

START VARIOUS PROCESSES EXECUTION
S11
HAS THE CLIENT BEEN AUTHENTICATED?
NO
YES
S12
CHARGE PAYMENT REQUEST?
YES
S13
PAY THE CHARGES FROM THE PREVIOUSLY REGISTERED SETTLING ACCOUNT
NO
S14
PERSONAL-DATA READ REQUEST?
YES
S15
READ OUT AND COMMUNICATE THE PREVIOUSLY REGISTERED PERSONAL DATA
NO
S16
NO
PERSONAL-DATA MODIFICATION REQUEST?
YES
READ OUT AND MODIFY THE PREVIOUSLY REGISTERED PERSONAL DATA
S17
COMMUNICATE THE HISTORIES OF PERSONAL AUTHENTICATION COLLATIONS AND ACCESSES TO THE PERSONAL DATA TO THE CLIENT
S18
S19
NO
HAS THE PROCESS BEEN COMPLETED?
YES
END

FIG. 4

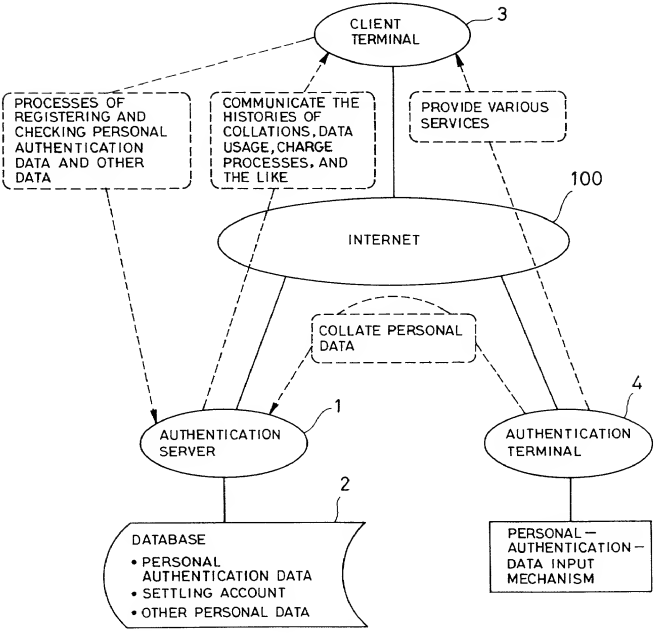
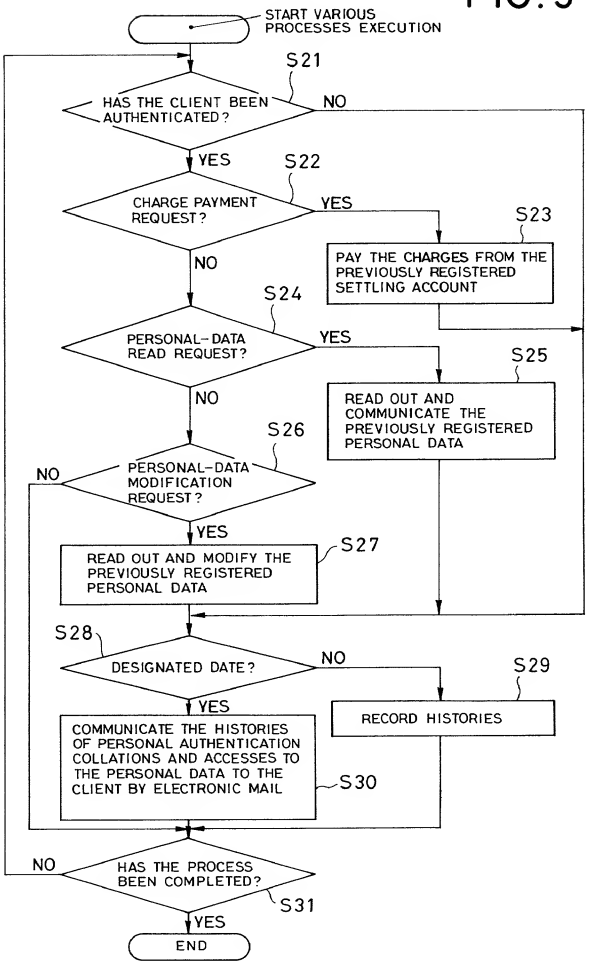

CLIENT TERMINAL
3
PROCESSES OF REGISTERING AND CHECKING PERSONAL AUTHENTICATION DATA AND OTHER DATA
COMMUNICATE THE HISTORIES OF COLLATIONS, DATA USAGE, CHARGE PROCESSES, AND THE LIKE
PROVIDE VARIOUS SERVICES
100
INTERNET
COLLATE PERSONAL DATA
AUTHENTICATION SERVER
1
AUTHENTICATION TERMINAL
4
2
DATABASE
• PERSONAL AUTHENTICATION DATA
• SETTLING ACCOUNT
• OTHER PERSONAL DATA
PERSONAL—AUTHENTICATION—DATA INPUT MECHANISM

FIG. 5


START VARIOUS PROCESSES EXECUTION
S21
HAS THE CLIENT BEEN AUTHENTICATED?
NO
YES
S22
CHARGE PAYMENT REQUEST?
YES
S23
PAY THE CHARGES FROM THE PREVIOUSLY REGISTERED SETTLING ACCOUNT
NO
S24
PERSONAL-DATA READ REQUEST?
YES
S25
READ OUT AND COMMUNICATE THE PREVIOUSLY REGISTERED PERSONAL DATA
NO
S26
NO
PERSONAL-DATA MODIFICATION REQUEST?
YES
READ OUT AND MODIFY THE PREVIOUSLY REGISTERED PERSONAL DATA
S27
S28
DESIGNATED DATE?
NO
S29
RECORD HISTORIES
YES
COMMUNICATE THE HISTORIES OF PERSONAL AUTHENTICATION COLLATIONS AND ACCESSES TO THE PERSONAL DATA TO THE CLIENT BY ELECTRONIC MAIL
S30
NO
HAS THE PROCESS BEEN COMPLETED?
S31
YES
END

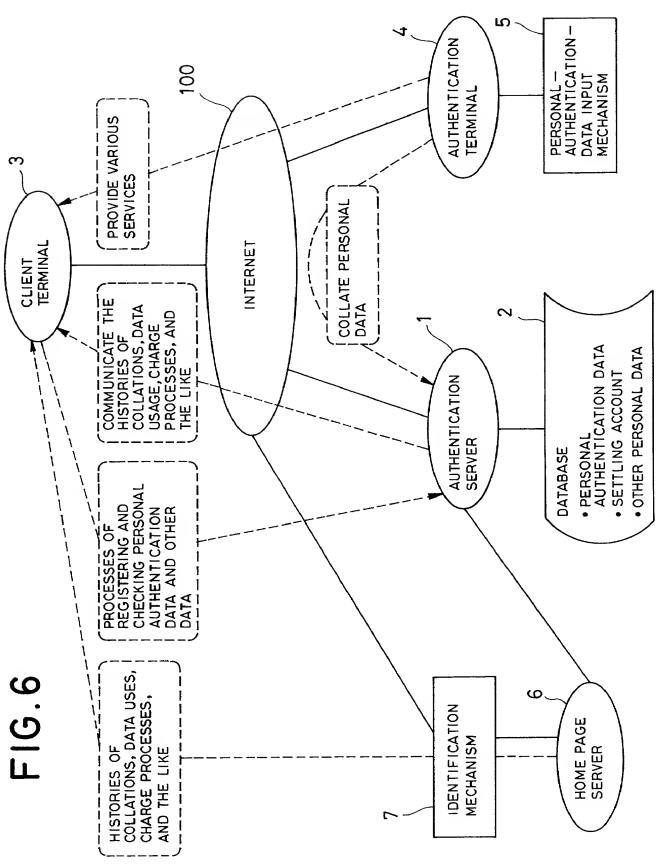

CLIENT TERMINAL
3
PROVIDE VARIOUS SERVICES
100
INTERNET
AUTHENTICATION TERMINAL
4
PERSONAL – AUTHENTICATION – DATA INPUT MECHANISM
5
COMMUNICATE THE HISTORIES OF COLLATIONS, DATA USAGE, CHARGE PROCESSES, AND THE LIKE
COLLATE PERSONAL DATA
PROCESSES OF REGISTERING AND CHECKING PERSONAL AUTHENTICATION DATA AND OTHER DATA
AUTHENTICATION SERVER
1
2
DATABASE
• PERSONAL AUTHENTICATION DATA
• SETTLING ACCOUNT
• OTHER PERSONAL DATA
HISTORIES OF COLLATIONS, DATA USES, CHARGE PROCESSES, AND THE LIKE
IDENTIFICATION MECHANISM
7
HOME PAGE SERVER
6

FIG. 6

FIG.7

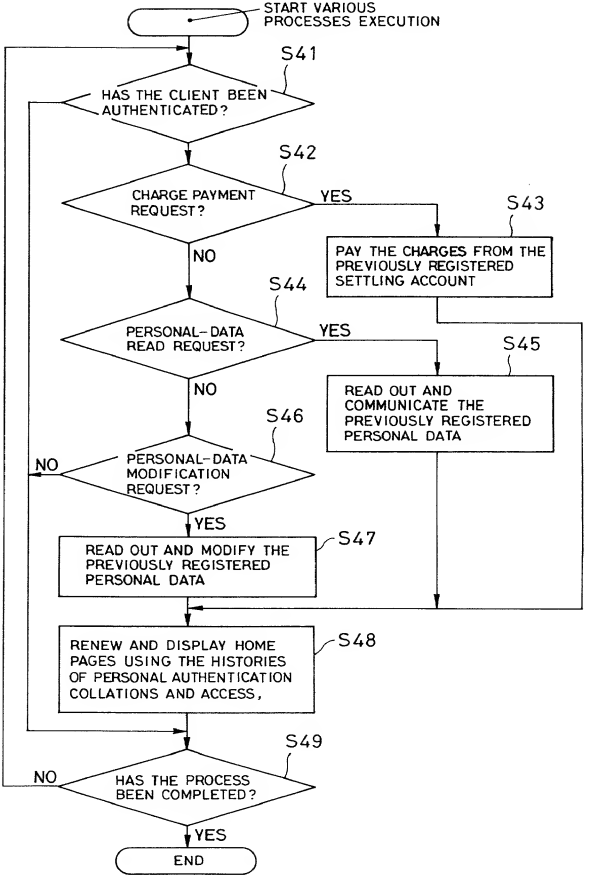

START VARIOUS PROCESSES EXECUTION
S41
HAS THE CLIENT BEEN AUTHENTICATED?
S42
CHARGE PAYMENT REQUEST?
YES
S43
PAY THE CHARGES FROM THE PREVIOUSLY REGISTERED SETTLING ACCOUNT
NO
S44
PERSONAL-DATA READ REQUEST?
YES
S45
READ OUT AND COMMUNICATE THE PREVIOUSLY REGISTERED PERSONAL DATA
NO
S46
NO
PERSONAL-DATA MODIFICATION REQUEST?
YES
S47
READ OUT AND MODIFY THE PREVIOUSLY REGISTERED PERSONAL DATA
S48
RENEW AND DISPLAY HOME PAGES USING THE HISTORIES OF PERSONAL AUTHENTICATION COLLATIONS AND ACCESS,
S49
NO
HAS THE PROCESS BEEN COMPLETED?
YES
END

FIG. 8

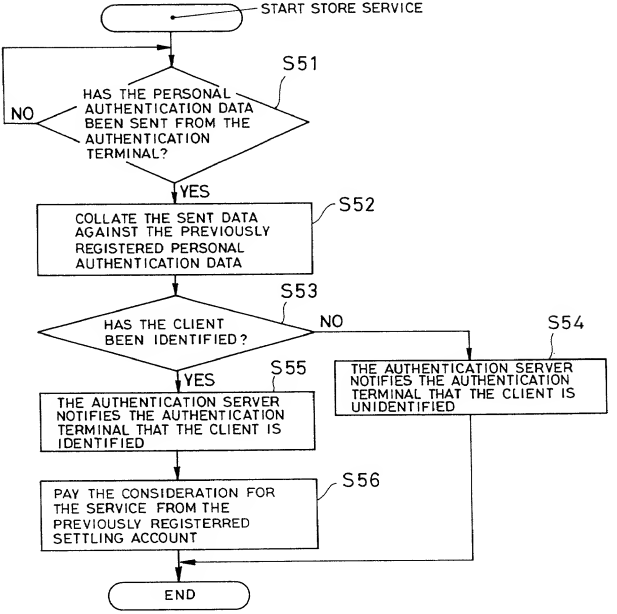

START STORE SERVICE
S51
HAS THE PERSONAL AUTHENTICATION DATA BEEN SENT FROM THE AUTHENTICATION TERMINAL?
NO
YES
S52
COLLATE THE SENT DATA AGAINST THE PREVIOUSLY REGISTERED PERSONAL AUTHENTICATION DATA
S53
HAS THE CLIENT BEEN IDENTIFIED?
NO
S54
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS UNIDENTIFIED
YES
S55
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS IDENTIFIED
S56
PAY THE CONSIDERATION FOR THE SERVICE FROM THE PREVIOUSLY REGISTERRED SETTLING ACCOUNT
END

FIG. 9

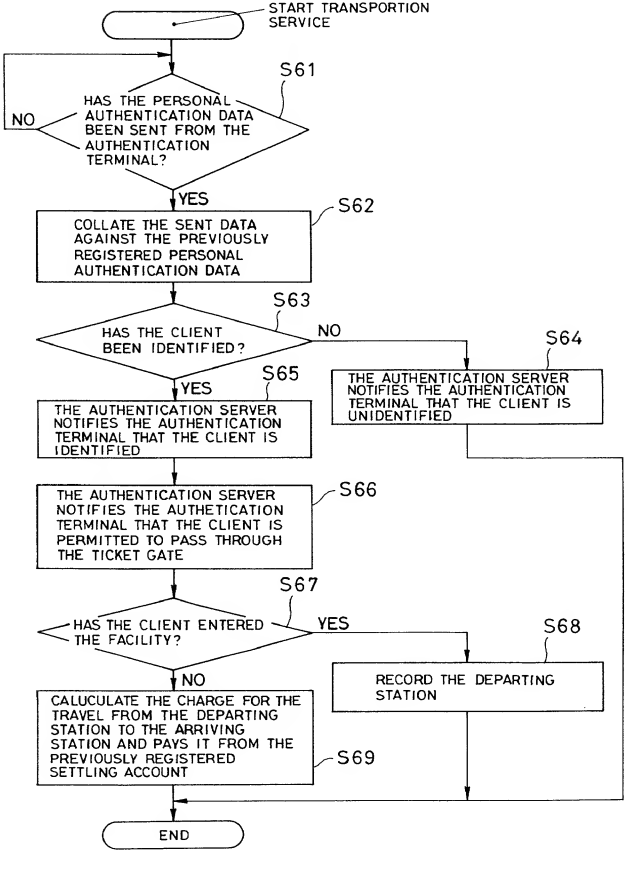

START TRANSPORTION SERVICE
S61
HAS THE PERSONAL AUTHENTICATION DATA BEEN SENT FROM THE AUTHENTICATION TERMINAL?
NO
YES
S62
COLLATE THE SENT DATA AGAINST THE PREVIOUSLY REGISTERED PERSONAL AUTHENTICATION DATA
S63
HAS THE CLIENT BEEN IDENTIFIED?
NO
S64
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS UNIDENTIFIED
YES
S65
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS IDENTIFIED
S66
THE AUTHENTICATION SERVER NOTIFIES THE AUTHETICATION TERMINAL THAT THE CLIENT IS PERMITTED TO PASS THROUGH THE TICKET GATE
S67
HAS THE CLIENT ENTERED THE FACILITY?
YES
S68
RECORD THE DEPARTING STATION
NO
CALUCULATE THE CHARGE FOR THE TRAVEL FROM THE DEPARTING STATION TO THE ARRIVING STATION AND PAYS IT FROM THE PREVIOUSLY REGISTERED SETTLING ACCOUNT
S69
END

FIG.10

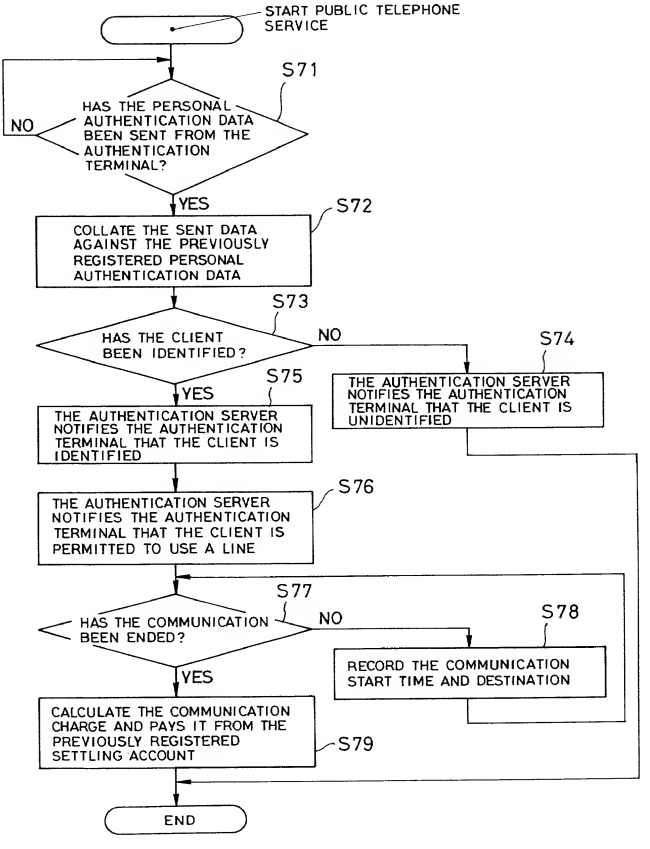

START PUBLIC TELEPHONE SERVICE
S71
HAS THE PERSONAL AUTHENTICATION DATA BEEN SENT FROM THE AUTHENTICATION TERMINAL?
NO
YES
S72
COLLATE THE SENT DATA AGAINST THE PREVIOUSLY REGISTERED PERSONAL AUTHENTICATION DATA
S73
HAS THE CLIENT BEEN IDENTIFIED?
NO
S74
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS UNIDENTIFIED
YES
S75
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS IDENTIFIED
S76
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS PERMITTED TO USE A LINE
S77
HAS THE COMMUNICATION BEEN ENDED?
NO
S78
RECORD THE COMMUNICATION START TIME AND DESTINATION
YES
CALCULATE THE COMMUNICATION CHARGE AND PAYS IT FROM THE PREVIOUSLY REGISTERED SETTLING ACCOUNT
S79
END

FIG.11

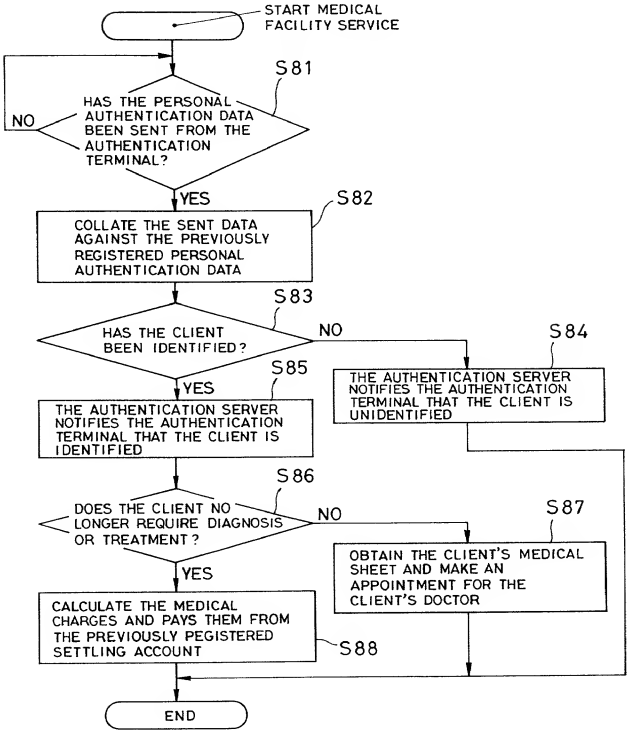

START MEDICAL FACILITY SERVICE
S81
HAS THE PERSONAL AUTHENTICATION DATA BEEN SENT FROM THE AUTHENTICATION TERMINAL?
NO
YES
S82
COLLATE THE SENT DATA AGAINST THE PREVIOUSLY REGISTERED PERSONAL AUTHENTICATION DATA
S83
HAS THE CLIENT BEEN IDENTIFIED?
NO
S84
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS UNIDENTIFIED
YES
S85
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS IDENTIFIED
S86
DOES THE CLIENT NO LONGER REQUIRE DIAGNOSIS OR TREATMENT?
NO
S87
OBTAIN THE CLIENT'S MEDICAL SHEET AND MAKE AN APPOINTMENT FOR THE CLIENT'S DOCTOR
YES
CALCULATE THE MEDICAL CHARGES AND PAYS THEM FROM THE PREVIOUSLY PEGISTERED SETTLING ACCOUNT
S88
END

FIG.12

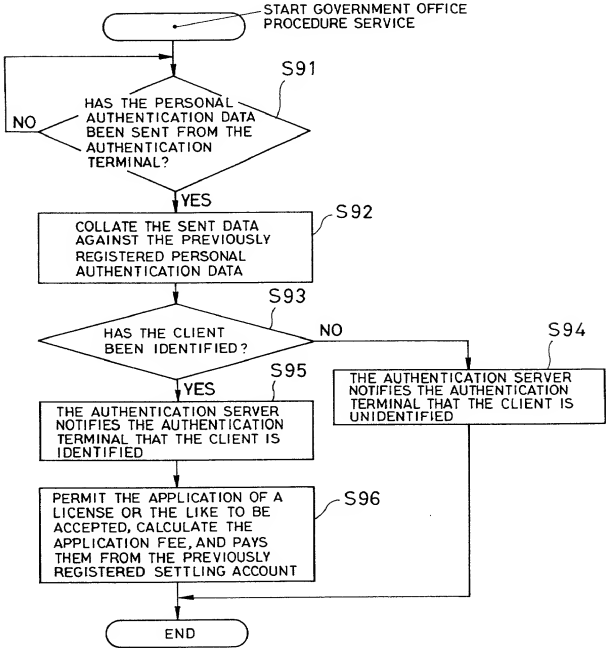

START GOVERNMENT OFFICE PROCEDURE SERVICE
S91
HAS THE PERSONAL AUTHENTICATION DATA BEEN SENT FROM THE AUTHENTICATION TERMINAL?
NO
YES
S92
COLLATE THE SENT DATA AGAINST THE PREVIOUSLY REGISTERED PERSONAL AUTHENTICATION DATA
S93
HAS THE CLIENT BEEN IDENTIFIED?
NO
S94
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS UNIDENTIFIED
S95
YES
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS IDENTIFIED
S96
PERMIT THE APPLICATION OF A LICENSE OR THE LIKE TO BE ACCEPTED, CALCULATE THE APPLICATION FEE, AND PAYS THEM FROM THE PREVIOUSLY REGISTERED SETTLING ACCOUNT
END

FIG.13

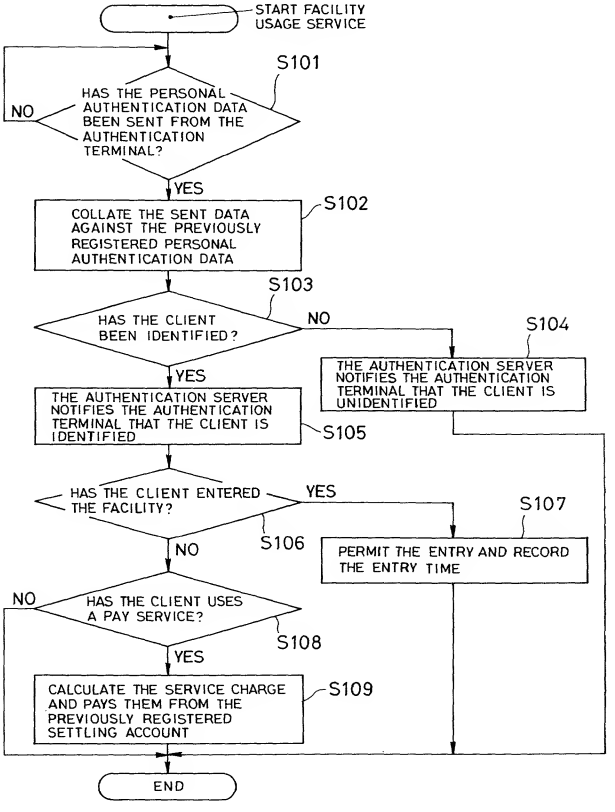
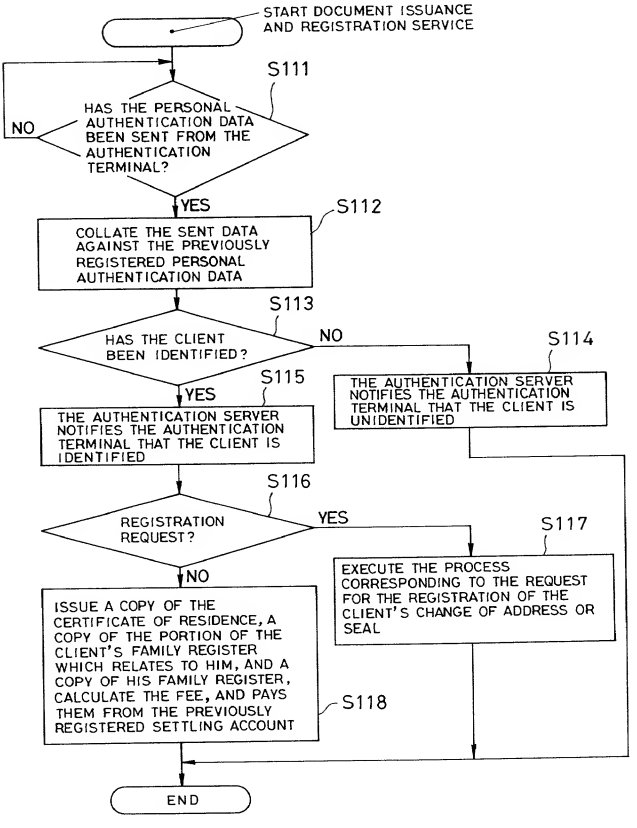

START FACILITY USAGE SERVICE
S101
HAS THE PERSONAL AUTHENTICATION DATA BEEN SENT FROM THE AUTHENTICATION TERMINAL?
NO
YES
S102
COLLATE THE SENT DATA AGAINST THE PREVIOUSLY REGISTERED PERSONAL AUTHENTICATION DATA
S103
HAS THE CLIENT BEEN IDENTIFIED?
NO
S104
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS UNIDENTIFIED
YES
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS IDENTIFIED
S105
HAS THE CLIENT ENTERED THE FACILITY?
YES
S107
PERMIT THE ENTRY AND RECORD THE ENTRY TIME
NO
S106
NO
HAS THE CLIENT USES A PAY SERVICE?
S108
YES
CALCULATE THE SERVICE CHARGE AND PAYS THEM FROM THE PREVIOUSLY REGISTERED SETTLING ACCOUNT
S109
END

FIG.14


START DOCUMENT ISSUANCE AND REGISTRATION SERVICE
S111
HAS THE PERSONAL AUTHENTICATION DATA BEEN SENT FROM THE AUTHENTICATION TERMINAL?
NO
YES
S112
COLLATE THE SENT DATA AGAINST THE PREVIOUSLY REGISTERED PERSONAL AUTHENTICATION DATA
S113
HAS THE CLIENT BEEN IDENTIFIED?
NO
S114
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS UNIDENTIFIED
YES
S115
THE AUTHENTICATION SERVER NOTIFIES THE AUTHENTICATION TERMINAL THAT THE CLIENT IS IDENTIFIED
S116
REGISTRATION REQUEST?
YES
S117
EXECUTE THE PROCESS CORRESPONDING TO THE REQUEST FOR THE REGISTRATION OF THE CLIENT'S CHANGE OF ADDRESS OR SEAL
NO
ISSUE A COPY OF THE CERTIFICATE OF RESIDENCE, A COPY OF THE PORTION OF THE CLIENT'S FAMILY REGISTER WHICH RELATES TO HIM, AND A COPY OF HIS FAMILY REGISTER, CALCULATE THE FEE, AND PAYS THEM FROM THE PREVIOUSLY REGISTERED SETTLING ACCOUNT
S118
END

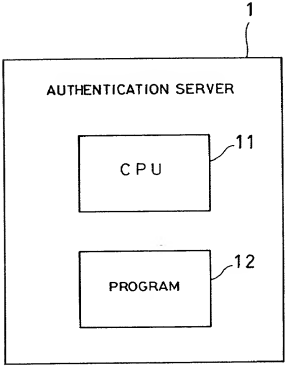



FIG.15